

Title (en)  
Inferential temperature control system

Title (de)  
Inferenzielles Temperatursteuerungssystem

Title (fr)  
Système de contrôle de la température inférentielle

Publication  
**EP 1653313 B1 20081203 (EN)**

Application  
**EP 05110203 A 20051031**

Priority  
US 97695404 A 20041029

Abstract (en)  
[origin: EP1653313A1] A system manages the temperature of thermoplastic material by initiating a default heating cycle in response to a sensor failure. The system may thus continue to heat the thermoplastic material according to the default heating cycle until the sensor can be repaired or replaced. A system controller implements the default heating cycle using a stored profile. That is, the controller causes a heating element to generate heat according to a default heating profile retrieved from a memory. The profile may be determined using historical heating data, user input and/or a factory setting.

IPC 8 full level  
**B67D 7/14** (2010.01); **G05D 23/19** (2006.01); **B05C 11/10** (2006.01); **B67D 7/80** (2010.01); **G05D 23/24** (2006.01)

CPC (source: EP US)  
**B05C 11/1042** (2013.01 - EP US); **B05C 11/1044** (2013.01 - EP US)

Cited by  
CN112470087A; WO2014197159A1; WO2007144755A3; DE102017003020A1; DE102017003020B4; US11880185B2; WO2019236582A3

Designated contracting state (EPC)  
CH DE IT LI

DOCDB simple family (publication)  
**EP 1653313 A1 20060503; EP 1653313 B1 20081203**; DE 602005011384 D1 20090115; US 2006095157 A1 20060504;  
US 2009145923 A1 20090611; US 7510895 B2 20090331; US 8097836 B2 20120117

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**EP 05110203 A 20051031**; DE 602005011384 T 20051031; US 37206409 A 20090217; US 97695404 A 20041029